



# MacBook Pro 13" Unibody Mid 2009 Fan Replacement

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## INTRODUCTION

Replacing a defective fan will keep your laptop running cool.



### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)



### PARTS:

- [MacBook Pro Unibody 13" \(Mid 2009 to Mid 2012\) and MacBook Unibody 13" \(A1278 and A1342\) Fan](#) (1)

## Step 1 — Lower Case



- Remove the following 10 screws securing the lower case to the MacBook Pro 13" Unibody:
  - Seven 3 mm Phillips screws.
  - Three 13.5 mm Phillips screws.

## Step 2



- Slightly lift the lower case and push it toward the rear of the computer to free the mounting tabs.



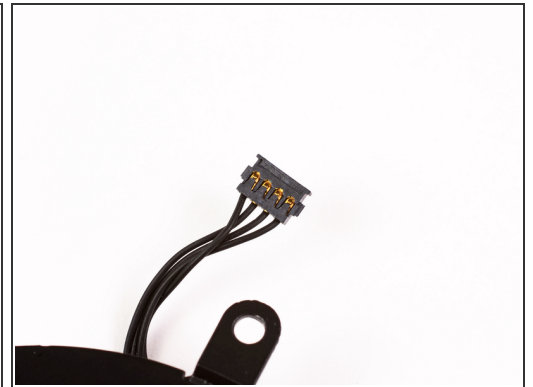
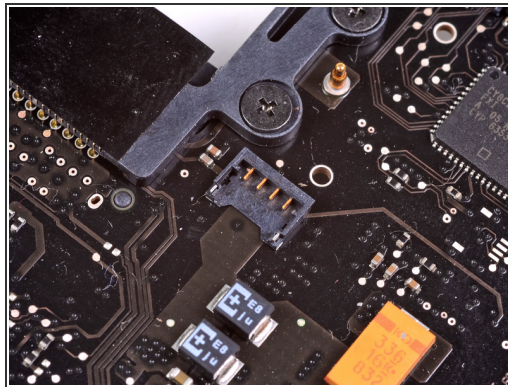
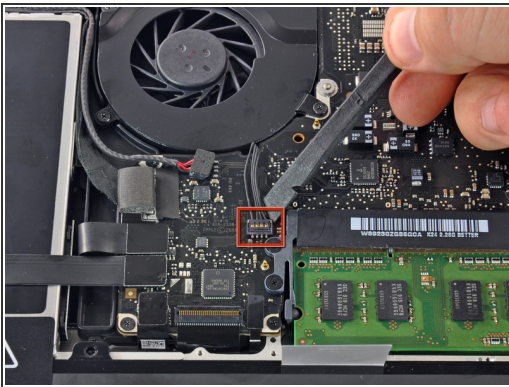
## Step 3 — Battery



**⚠** For precautionary purposes, we advise that you disconnect the battery connector from the logic board to avoid any electrical discharge.

- Use the flat end of a spudger to lift the battery connector up out of its socket on the logic board.

## Step 4 — Fan



- Use a spudger to pry the fan connector out of its seat, and straight up off the logic board.
- i** It is useful to twist the spudger axially from beneath the fan cable wires to release the connector.
- ⚠** The fan socket and the fan connector can be seen in the second and third pictures. Be careful not to break the plastic fan socket off the logic board as you use your spudger to lift the fan connector straight up and out of its socket. The layout of the logic board shown in the second picture may look slightly different than your machine but the fan socket is the same.

## Step 5



- Remove the following three screws securing the fan to the upper case:
  - One 6.5 mm Phillips.
  - One 5.5 mm Phillips.
  - One 4.5 mm Phillips.

## Step 6



- Lift the fan out of the upper case.

To reassemble your device, follow these instructions in reverse order.

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